

PI 540446-continued

origin: Pakistan. **pedigree:** Bulkied from RRC 80, which is the same as PI 274275 and AVRDC 74-37. The selection was done at Rodale Research Center, from their seed lot number RRC 77S-80. **remarks:** Lygus resistant, early maturing, uniform, lodges, the leaves are green and rufescent, the flowers red, the seeds black. type is: prima. Indian grain type. Annual. Breeding Material. Seed.

PI 540447. *Amaranthus hybridus* L. AMARANTHACEAE

Donated by: Rodale Research Center, Rodale Press, RD 1, Box 323, Kutztown, Pennsylvania, United States. Received April 30, 1990.

origin: United States. **origin institute:** Redwood Seed Company, P. O. Box 361, Redwood City 94064. **remarks:** Early maturing, very productive, the leaves are green, the flowers are red, and the seeds are dark brown. The RRC type prima. Annual. Cultivar. Seed.

PI 540448. *Gossypium hirsutum* L. MALVACEAE Cotton

Donated by: Helena Chemical Company, United States. Received April 30, 1990.

origin: United States. **cultivar:** HS 23. **other id:** PVP 9000150. **source:** Pending. **group:** PVPO. Cultivar. Seed.

PI 540449 to 540450. *Medicago sativa* L. FABACEAE Alfalfa

Donated by: Pioneer Hi-Bred International, United States. Received April 30, 1990.

PI 540449 **origin:** United States. **cultivar:** 5373. **other id:** PVP 9000152. **source:** Pending. **group:** PVPO. Cultivar. Seed.

PI 540450 **origin:** United States. **cultivar:** 5472. **other id:** PVP 9000153. **source:** Pending. **group:** PVPO. Cultivar. Seed.

PI 540451. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Land O'Lakes, Inc., United States. Received April 30, 1990.